

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S100	44133	float\$5 near (gate electrode)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/10 16:57
S103	9	S102 and @ad<"20040206"	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/10 16:58
S102	13	S101 and (hydrophobic or silane or silaniz\$7)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/10 16:58
S101	81	S100 and (sensor near\$3 gas)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/10 16:58
S104	44172	float\$5 near (gate electrode)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/12 14:57
S107	40	S106 and @ad<"20040206"	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/12 15:09
S106	68	S105 and (hydrophob\$5 (hydro adj phob\$5) or silane or silaniz\$7)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/12 15:09
S105	462	S104 and ((sense sensing sensed sensor detect\$5) near\$3 (gas vapor odor pressure accelerat\$6))	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/12 15:09
S112	28700	S111 and (gas or accelerat\$5 or pressure vapor odor)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/13 11:07
S111	30683	S110 and (silicon or semiconduct\$5)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/13 11:07
S110	46745	S109 and (gate or electrode)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/13 11:07
S109	267511	S108 and (hydrophobic (hydro adj phobio) hydrophobic (hydro adj phobic) or silane or silanes or silaniz\$5)	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/11/13 11:07
S108	14312095	@ad<"20040206"	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/11/13 11:07
S113	46544	73/23.2-31.06,488-551,700-756.cds, or 257/48,414-420,222,226,239,252-254.cds.	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/11/13 11:15
S118	253	S117 and (gas or accelerat\$5 or pressure vapor odor)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/13 11:16
S117	272	S116 and (silicon or semiconduct\$5)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/13 11:16

S116	342	S115 and (gate or electrode)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/13 11:16
S115	543	S114 and (hydrophobic (hydro adj phobic) hydrophobic (hygro adj phobic) or silane or silanes or silaniz\$5)	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/11/13 11:16
S114	27455	S113 and @ad< "20040206"	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/11/13 11:16
S119	22	S118 and float\$5	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/11/13 11:21
S122	6776	S121 and (gas or accelerat\$5 or pressure vapor odor)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/13 14:08
S121	9077	S120 and (silicon or semiconduct\$5)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/13 14:08
S120	14163	S113 and (gate or electrode)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/13 14:08
S125	2	S124 and (hybrid near3 (gate or electrode))	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/13 14:09
S124	608	S113 and (float\$5 near3 (gate or electrode))	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/13 14:09
S123	662	S122 and float\$5	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/11/13 14:09
S128	11	S127 and (@ad< "20040206")	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/13 14:10
S127	41	S126 and (hybrid near3 (gate or electrode))	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/13 14:10
S126	51623	(float\$5 near3 (gate or electrode))	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/13 14:10
S131	11	S130 and (@ad< "20040206")	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/19 15:12
S130	41	S129 and (hybrid near3 (gate or electrode))	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/19 15:12
S129	51718	(float\$5 near3 (gate or electrode))	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/19 15:12
S132	18211	gas adj sensor	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/11/19 15:15
S135	82	S134 and (float\$6 near2 (gate or electrode))	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/19 15:16
S134	37036	gas adj (sens\$6 detect\$6)	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/11/19 15:16

S133	22366	gas adj (sensor detector)	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/11/19 15:16
S138	1	S137 and (@ad<"20040206")	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/19 15:17
S137	14	S135 and S136	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/19 15:17
S136	1501	S134 and (hydrophobic)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/19 15:17
S145	12	S144 and (@ad<"20040206")	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/19 15:18
S144	30	S140 and S142	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/19 15:18
S142	6923	S139 and (hydrophobic)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/19 15:18
S140	239	S139 and (float\$6 near2 (gate or electrode))	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/19 15:18
S139	139811	gas near6 (sens\$6 detect\$6)	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/11/19 15:18
S146	2713665	sensor senses detector	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/20 13:26
S147	2	("5376255" "5900128").pn.	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/11/20 14:52
S148	44	((sensor sense detect\$6) with (gas or gaseous or vapor vaporous or odor or humidity)) and (hydrophobic\$6 with (silane silaniz\$9)) and ((hydrophobic\$6 silane silaniz\$9) with (silicon)) and @ad<"20040206"	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/11/20 15:06
S150	4327	S149 and @ad<"20040206"	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/12/03 15:39
S149	8063	silicon and (sensor or detector or detection sensed or sensing) and (hydrophobic\$6 or silane or silaniz\$6) and (FET or MOSFET or TFT or OTFT or OFET or OMOSFET or OMOS or MOS or (field adj effect adj transistor))	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/12/03 15:39
S151	561	S150 and (sensor or detector or detection sensed or sensing) near5 (gas pressure acceleration vapor odor)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/12/03 15:40
S152	14	S151 and (float\$6 near5 (gate or electrode))	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/12/03 15:42
S155	249	S154 and (sensor or detector or detection sensed or sensing) near5 (gas pressure acceleration vapor odor)	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/12/03 16:02

S154	8009	S153 and (float\$6 near5 (gate or electrode))	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/12/03 16:02
S153	80539	silicon and (sensor or detector or detection sensed or sensing) and (FET or MOSFET or TFT or OTFT or OFET or OMOSFET or OMOS or MOS or (field adj effect adj transistor))	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/12/03 16:02
S156	112	S155 and @ad<"20040206"	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/12/03 16:04
S158	8895	S157 and @ad<"20040206"	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/12/03 16:13
S157	13802	((hydrophobic\$6 or (silane or silaniz\$7) trichlorosilane octadecyltrichlorosilane) with ((silicon adj oxide) (silicon adj dioxide) (silicon adj nitride) "sio.sub.2" or silicondioxide or siliconoxide sio2 sin or siliconnitride or siliconitride))	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/12/03 16:13
S159	2023	((hydrophobic\$6 or (silane or silaniz\$7) trichlorosilane octadecyltrichlorosilane) with ((silicon adj oxide) (silicon adj dioxide) (silicon adj nitride) "sio.sub.2" or silicondioxide or siliconoxide sio2 sin or siliconnitride or siliconitride)) same (moisture water h2o "h.sub.2o" humidity)	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/12/04 09:41
S160	1354	S159 and @ad<"20040206"	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/12/04 09:42
S161	599	S160 and (sens\$6 or detect\$6)	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/12/04 10:51
S162	133	S160 and ((sens\$6 or detect\$6) near4 (gas pressure accel\$7 odor vapor))	US-PGRUB; USPAT; EPO; JPO	OR	OFF	2009/12/04 10:55
S164	682	((hydrophobic\$6) with ((silicon adj oxide) (silicon adj dioxide) (silicon adj nitride) "sio.sub.2" or silicondioxide or siliconoxide sio2 sin or siliconnitride or siliconitride)) same (moisture water h2o "h.sub.2o" humidity wet wetness moist damp dampness precipit\$6) and @ad<"20040206"	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/12/04 15:43
L5	988	((hydrophobic\$6 or (silane or silaniz\$7) trichlorosilane octadecyltrichlorosilane) with ((silicon adj oxide) (silicon adj dioxide) (silicon adj nitride) "sio.sub.2" or silicondioxide or siliconoxide sio2 sin or siliconnitride or siliconitride)) same (moisture water h2o "h.sub.2o" humidity wet wetness moist damp dampness precipit\$6) and @ad<"20040206" not L4	US-PGRUB; USPAT; EPO; JPO	OR	ON	2009/12/14 12:54

L4	682	((hydrophobic\$6) with ((silicon adj oxide) (silicon adj dioxide) (silicon adj nitride) "sio.sub.2" or silicondioxide or siliconoxide sio2 sin or siliconnitride or siliconitride)) same (moisture water h2o "h.sub.2o" humidity wet wetness moist damp dampness precipit\$6) and @ad<"20040206"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/12/14 12:54
L9	35	{257/213.ccls, 73/1.06,1.37,23.2-31.07,488-551.ccls} and (((hydrophobic\$6 or (silane or silaniz\$7) trichlorosilane octadecyltrichlorosilane) same ((silicon adj oxide) (silicon adj dioxide) (silicon adj nitride) "sio.sub.2" or silicondioxide or siliconoxide sio2 sin or siliconnitride or siliconitride))) and @ad<"20040206"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2009/12/14 13:57
L10	346	257/E23.001	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2009/12/14 16:01

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L14	580	73/23.2,488,1.06,1.37.ccls.	US-PGPUB; UPAD	OR	OFF	2009/12/14 16:07
L13	1825	257/48,414,222,226,239,252,253,254,E23.001.ccls.	US-PGPUB; UPAD	OR	OFF	2009/12/14 16:07
L16	27	(13 14) and (hydrophobic\$6 or (silane or silaniz\$7) trichlorosilane octadecyltrichlorosilane).clm.	US-PGPUB; UPAD	OR	OFF	2009/12/14 16:08

12/ 14/ 2009 4:26:44 PM

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